



# Does the chipset make a difference? Yes.



In the drive to deliver the highest PC performance, the latest Intel® chipsets are optimized to support the Intel® Pentium® 4 Processor with Hyper-Threading Technology<sup>†</sup> (HT Technology), which adds intelligence so that multiple tasks received from the processor can be managed and prioritized more effectively. Chipsets that support Hyper-Threading Technology<sup>‡</sup> give PCs a turbocharge, delivering the power needed for multitasking and increased productivity.

## Why choose a chipset that supports Hyper-Threading Technology?

PCs based on the Intel Pentium 4 Processor with HT Technology<sup>†</sup> run much faster and more efficiently. The combination of an Intel Pentium 4 processor supporting Hyper-Threading Technology<sup>‡</sup>, an Intel chipset that supports Hyper-Threading Technology, an operating system that includes optimizations for HT Technology, and a BIOS that supports HT Technology and has it enabled delivers unmatched system performance and responsiveness.

Intel's latest chipsets are optimized to support Hyper-Threading Technology<sup>‡</sup>:

- Intel® 875P chipset with Intel Platform Acceleration Technology
- Intel® 865PE chipset
- Intel® 865G chipset
- Intel® 865P chipset

Intel desktop chipsets deliver industry-leading technologies like 800 MHz<sup>†</sup> system bus, dual-channel DDR400 system memory, dual independent Serial ATA controllers, and an Intel® Communication Streaming Architecture (CSA) for high-performance applications and network connections. These technologies provide the high-bandwidth platform for today's usage models and tomorrow's applications. In addition to design optimization, Intel's chipsets that support Hyper-Threading Technology with the 800 MHz and 533 MHz system bus and dual channel DDR system memory have been fully tested and validated on hundreds of different PC applications to ensure complete system compatibility.

Disk I/O continues to be a key limiter in overall system performance. To address this bottleneck, Intel desktop chipsets feature dual independent Serial ATA disk controllers and Intel® RAID Technology<sup>††</sup>—the industry's first Serial ATA RAID controller integrated into the chipset. Intel RAID Technology combines the bandwidth of the dual 150-MB/sec Serial ATA channels and two Serial ATA disk drives into a high-performance RAID solution that provides exceptional performance for disk-intensive applications.

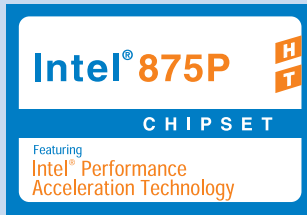
Platforms based on the Intel Pentium 4 Processor with HT Technology<sup>†</sup> and Intel desktop chipsets deliver unparalleled system performance and responsiveness. Get the Intel® platform advantage today!



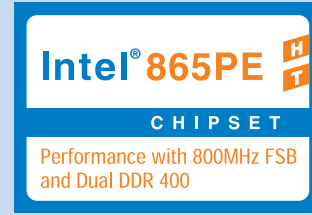
<sup>†</sup> Excludes Intel® 845P chipset

<sup>††</sup> Intel® RAID Technology requires a computer system with the 82801ER I/O controller hub.

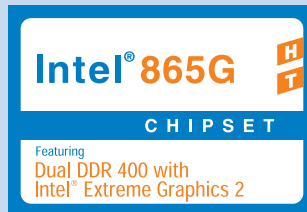
# Choose the latest Intel® chipset that supports Hyper-Threading Technology and meets your desktop needs.



**The Intel® 875P chipset** with 800 MHz FSB, Dual channel DDR400/333, Intel® Platform Acceleration Technology, AGP8x and dual independent Serial ATA controllers provides the highest performance platform.



**The Intel® 865PE chipset** features robust 800 MHz FSB, Dual channel DDR400/333 memory support, discrete AGP8x graphics and Serial ATA for both mainstream and performance users.



**The Intel® 865G chipset** delivers the ultimate in flexibility, with enhanced Intel® Extreme Graphics 2, 800 MHz FSB, Dual DDR400/333 memory channel, and AGP8x upgradeability.



**The Intel® 865P chipset** offers the bandwidth for today's applications with 533/400 MHz FSB, Dual DDR333/266 memory, Serial ATA and AGP8x.

## Look for the Intel chipset text treatment to identify system motherboards that support Hyper-Threading Technology.

### For more information

- Learn more about Hyper-Threading Technology at [www.intel.com/info/hyperthreading/](http://www.intel.com/info/hyperthreading/).
- Compare motherboards from Intel and third parties that support Hyper-Threading Technology using the Motherboard Selector Guide at [www.intel.com/go/boards](http://www.intel.com/go/boards).
- Intel offers a full range of desktop chipsets optimized to support Hyper-Threading Technology
  - Intel® 875P chipset
  - Intel® 865P chipset
  - Intel® 845PE chipset
  - Intel® 845E chipset
  - Intel® 865PE chipset
  - Intel® 850E chipset
  - Intel® 845GV chipset
  - Intel® 865G chipset
  - Intel® 845GE chipset
  - Intel® 845G chipset

<sup>1</sup> Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and a HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading/> for more information including details on which processors support HT Technology.

<sup>2</sup> Look for systems with the Intel® Pentium® 4 Processor with HT Technology logo which your system vendor has verified utilize Hyper-Threading Technology. Performance will vary depending on the specific hardware and software you use. See [www.intel.com/info/hyperthreading/](http://www.intel.com/info/hyperthreading/) for information.

The Intel® Pentium® 4 processor and Intel® 875P, 865G, 865PE, and 865P chipsets may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request. Intel Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in an Intel® product. Information contained herein supersedes previously published specifications on these devices from Intel.

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